

Friends of Casco Bay/Maine Board of Pesticides Control  
Stormwater Pesticide Analysis

<u>Date</u>	<u>Site</u>	<u>Town</u>	Chlorpyrifos <u>ug/l</u>	Diazinon <u>ug/l</u>	2,4-D <u>ug/l</u>	Dicamba <u>ug/l</u>	MCPA <u>ug/l</u>	MCPP <u>ug/l</u>	Pendamethalin <u>ug/l</u>	Propiconazole <u>ug/l</u>	Clopyralid <u>ug/l</u>	Permethrin <u>ug/l</u>	Triclopyr <u>ug/l</u>	Bifenthrin <u>ug/l</u>
6/2/2001	Wildwood	Cumberland	ND	ND	10.7	3.8	----	2.9	----	----	----	----	----	----
6/2/2001	Drew Road	South Portland	ND	2.6	2.9	ND	----	ND	----	----	----	----	----	----
6/3/2001	Orchard Lane	Westbrook	ND	ND	36.4	ND	----	26.0	----	----	----	----	----	----
9/25/2001	Falmouth Town Landing	Falmouth	ND	ND	ND	ND	----	ND	----	----	----	----	----	----
9/25/2001	Freeport Town Landing	Freeport	ND	ND	ND	ND	----	ND	----	----	----	----	----	----
9/25/2001	Royal Point	Yarmouth	ND	ND	ND	ND	----	ND	----	----	----	----	----	----
4/28/2002	Harraseeket Yacht Club	Freeport	ND	ND	ND	ND	----	ND	----	----	----	----	----	----
4/28/2002	Wharton Point	Brunswick	ND	0.19	ND	ND	----	ND	----	----	----	----	----	----
5/2/2002	Falmouth Town Landing	Falmouth	ND	ND	ND	ND	----	ND	----	----	----	----	----	----
5/2/2002	Broad Cove	Cape Elizabeth	ND	ND	ND	ND	----	ND	----	----	----	----	----	----
5/2/2002	Twin Knowles	Portland	ND	0.02	ND	ND	----	ND	----	----	----	----	----	----
5/2/2002	Rockland Avenue	Portland	ND	ND	ND	ND	----	ND	----	----	----	----	----	----
5/13/2002	Coyle Street	Portland	ND	ND	ND	ND	----	ND	----	----	----	----	----	----
5/30/2002	Maxwell Point	Cape Elizabeth	ND	ND	ND	ND	----	ND	----	----	----	----	----	----
6/6/2002	Grist Mill Park	Yarmouth	ND	0.03	ND	ND	----	ND	----	----	----	----	----	----
6/6/2002	Row School	Yarmouth	ND	0.71	ND	ND	----	ND	----	----	----	----	----	----
6/6/2002	Yarmouth Town Landing	Yarmouth	ND	ND	ND	ND	----	ND	----	----	----	----	----	----
4/22/2003	Falmouth Town Landing	Falmouth	----	----	ND	ND	----	ND	ND	0.06	0.91	ND	ND	----
4/22/2003	Broad Cove	Cape Elizabeth	----	----	ND	ND	----	ND	ND	ND	ND	ND	ND	----
4/22/2003	Coyle Street	Portland	----	----	ND	3.80	----	ND	ND	ND	ND	ND	ND	----
5/21/2003	Freeport Town Landing	Freeport	----	----	ND	ND	----	ND	ND	0.08	ND	ND	ND	----
5/21/2003	Harraseeket Yacht Club	Freeport	----	----	ND	2.20	----	ND	ND	ND	ND	ND	ND	----
5/21/2003	Broad Cove	Cape Elizabeth	----	----	ND	ND	----	ND	ND	ND	ND	ND	ND	----
5/21/2003	Twin Knowles	Portland	----	----	ND	ND	----	ND	ND	ND	ND	ND	ND	----
5/21/2003	Coyle Street	Portland	----	----	ND	4.10	----	ND	ND	ND	ND	ND	ND	----
6/5/2003	Lowell's Cove-East	Harpswell	----	----	ND	ND	----	ND	ND	ND	ND	ND	ND	----
6/5/2003	Lowell's Cove-West	Harpswell	----	----	ND	ND	----	ND	ND	ND	ND	ND	ND	----
6/10/2005	Coyle Street	Portland	----	ND	ND	ND	ND	ND	ND	ND	----	ND	----	----
6/10/2005	Randall Street	Portland	----	ND	2.81	ND	0.45	ND	ND	ND	----	ND	----	----
6/10/2005	Randall Street	Portland	----	ND	4.62	ND	0.38	ND	ND	ND	----	ND	----	----
9/15/2005	Coyle Street	Portland	----	ND	ND	ND	ND	ND	ND	ND	----	ND	----	----
9/15/2005	Randall Street	Portland	----	ND	ND	ND	ND	ND	ND	ND	----	ND	----	----
5/2/2006	Coyle Street	Portland	----	----	ND	ND	ND	ND	ND	ND	----	ND	----	ND
5/2/2006	Randall Street	Portland	----	----	ND	ND	ND	ND	ND	0.1315	----	ND	----	ND
5/2/2006	Randall Street	Portland	----	----	ND	ND	ND	ND	ND	ND	----	ND	----	ND
6/7/2006	Coyle Street	Portland	----	----	ND	ND	ND	ND	ND	ND	----	ND	----	ND
6/7/2006	Randall Street	Portland	----	----	ND	ND	ND	ND	ND	ND	----	ND	----	ND

ND = none detected at listed limit (see below).  
---- = not included in analysis  
ug/l = micrograms per liter (parts per billion).

	Chlorpyrifos <u>ug/l</u>	Diazinon <u>ug/l</u>	2,4-D <u>ug/l</u>	Dicamba <u>ug/l</u>	MCPA <u>ug/l</u>	MCPP <u>ug/l</u>	Pendamethalin <u>ug/l</u>	Propiconazole <u>ug/l</u>	Clopyralid <u>ug/l</u>	Permethrin <u>ug/l</u>	Triclopyr <u>ug/l</u>	Bifenthrin <u>ug/l</u>
Limit of Quantitation (through 2003)	0.02	0.02	0.5	1		0.5	0.1	0.05	0.5	0.1	0.5	
Limit of Quantitation (2005-2006)		0.05 *	0.2 **	2 **	0.2 **	0.2 **	0.1	0.05		0.1		0.2

Method(s): Chlorpyrifos and Diazinon - solid phase extraction (SPE) using 500mg tC18 eluted with ethyl acetate and quantified by GC/MSD  
2,4-D, Dicamba and MCPP extracted with SPE and quantified by HPLC/PDA ref: J.Liq.Chrom.&Rel.Technol, 21(12), 1871-1882 (1998)

\*Method: solid phase extraction (SPE) with GC/MSD detection

\*\*Method: liquid/liquid extraction (methylene chloride) with derivitization - GC/MS detection

rmd 9/29/06